

Programming Languages Chapter 13 Discovering Computers

1. What is a third generation programming language?
3GL is a type of programming language that allows the programmer to write instructions using a series of English like words.
2. Give three examples of third generation languages?
Examples of 3GL are COBAL, Java, and Python.
3. What generation language is assembly?
Assembly is a first generation language.
4. What is object oriented programming?
Object oriented programming is a programming language that is used to apply to an object-oriented design.
5. Define three object oriented programming languages:
Java is an OOP language developed by Sun Microsystems that allows bytecode to be translated into a machine dependent code.
C++ is an OOP language that is an extension of the C programming language.
C# is an OOP language based on the C++ programming language.

Page 696 Ethics and Issues: Read Is Beta Testing out of Hand?

What is Beta Testing? Would you participate in beta testing software on your pc? Why or why not? Are Software manufacturers being honest about their intentions in their beta testing? If not, in what way? Is it reasonable for software manufacturers to beta test their software for the general public? If so, for how long?

Beta testing is the demonstration program that allows the programmer to indicate errors in the program in order to improve the program. Yes I would participate in beta testing of a software for my pc because you are using that program and also are helping to improve it by informing the developers. Software manufacturers could be more detailed about the use of the software and problems that may happen. No it is not reasonable for software manufacturers to beta their software to the general public due to that many will face problems with the software, complaints will be made, and mass loss of data. So a selected group of volunteers should be the one testing the software.